

SECRET

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MEMORANDUM FOR THE RECORD

SUBJECT : System VII Rehabilitation

1. The possibility of resuming System VII operation is under consideration. System VII was previously employed in J-57 equipped aircraft. This aircraft had a constant speed AC alternator whose lower frequency limit was 380 cycles. All systems were designed to operate at a lower limit of 380 cycles, including System VII. When the J-75 program was initiated, Lockheed was unable to provide a constant speed AC system and as a result, the AC frequency can drop to as low as 320 cycles. This requires reworking all systems, including VII, to accommodate the lower frequency if J-75 aircraft are employed.

2. To recapitulate, if J-57 aircraft are used no rework of System VII is required insofar as AC power requirements are concerned. If J-75's are used the System must be modified. In either case, however, the system must be rehabilitated, due to its long period of inactivity.



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